



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Solid Waste Management  
Permit ID: 8-4532-00023/00001  
Mod 0 Effective Date: 02/18/2002 Expiration Date: 04/13/2009  
  
Mod 2 Effective Date: Expiration Date:

Permit Type: Air Title V Facility  
Permit ID: 8-4532-00023/00041  
Effective Date: Expiration Date:

Permit Issued To: SENECA MEADOWS INC  
1786 SALCMAN RD  
WATERLOO, NY 13165-9444

Contact: THOMAS P HASEK  
SENECA MEADOWS INC  
1786 SALCMAN RD  
WATERLOO, NY 13165  
(315) 539-5624

Facility: SENECA MEADOWS SWMF  
1786 SALCMAN RD  
WATERLOO, NY 13165

Contact: THOMAS P HASEK  
SENECA MEADOWS INC  
1786 SALCMAN RD  
WATERLOO, NY 13165  
(315) 539-5624

**Description:**

The original Title V permit issued for the operation of a Seneca Meadows, Inc. (SMI) sanitary landfill located at 1786 Salcman Road in the Town of Seneca Falls, NY authorized the operation of three emission units including: Emission Unit 1-Leach (leachate tank), Emission Unit 1-LFGAS (landfill gas from four landfill areas and associated control equipment), and Emission Unit 1-Soils (temporary BUD material storage). This permit was renewed and modified on March 23, 2007. The renewed permit included a continuation of the facility's emission levels which meet the established caps of less than 250 tons per year (tpy) of CO and less than 100 tpy of NOx; a modification to relocate the flares across NYS Route 414 from the existing facility to the new energy facility which is located within the Renewable Resource Park (a 238-acre industrial park, developed by SMI); changes to Emission Unit E10001 including changes in capacity of three horizontal petroleum tanks; addition of Emission Unit 1-EMGEN



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for two back-up emergency generators; and addition of Emission Unit 1-ODCTL for use of odor neutralizing agents. Emission Units 1-EMGEN and 1-ODCTL are exempt units and are included for information purposes only and have not been included as units in the renewed Title V permit.

The facility is located adjacent to the Seneca Energy, Inc. (SEI) Landfill Gas to Energy (LFGTE) facility which purchases landfill gas from Seneca Meadows and generates electricity from landfill gas. The SEI facility is also currently permitted under Title V. Although SMI anticipates that much of the LFG from the proposed Expansion will be combusted in SEI's LFGTE facility, SEI will not take on LFG or generate emissions beyond its current permit limits.

SMI's permit application to modify the Title V Facility Permit includes the additional landfill gas (LFG) from the proposed Expansion which will not be combusted by SEI. The applicant proposes to modify SMI's existing Title V permit to incorporate a new 1-LFGAS landfill activity (LEXP1), which is the proposed landfill expansion area, and a new 1-LEACH leachate storage activity, which is a new above ground leachate storage tank (TANK2).

The existing facility is minor with respect to Prevention of Significant Deterioration and New Source Review (PSD/NSR). The proposed expansion is below the significant source threshold for applicability to PSD/NSR. The proposed expansion subjects the facility to 6NYCRR Part 227-2 NOx RACT. The proposed modified Title V permit will include a cap for total facility emissions of less than 200 TPY of NOx and less than 500 TPY of CO. Once SMI has reached this limit, waste placement will be prohibited unless SMI has secured, through contract, end users for LFG. In addition, the end user's permits will need to be in place at this time in order for waste placement to continue. Upon issuance of this modification, SMI would become a major facility with respect to PSD and NSR.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator:           KIMBERLY A MERCHANT  
  6274 EAST AVON-LIMA RD  
  AVON, NY 14414-9519

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_



**Notification of Other State Permittee Obligations**

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

**Item B: Permittee's Contractors to Comply with Permit**

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

**Item C: Permittee Responsible for Obtaining Other Required Permits**

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

**Item D: No Right to Trespass or Interfere with Riparian Rights**

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



**LIST OF CONDITIONS**

**DEC GENERAL CONDITIONS**

**General Provisions**

Facility Inspection by the Department

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Applications for permit renewals, modifications and transfers

Applications for Permit Renewals and Modifications

Applications for Permit Renewals and Modifications

Permit modifications, suspensions or revocations by the Department

Permit modifications, suspensions or revocations by the Department

Permit Modifications, Suspensions and Revocations by the Department

Permit Modifications, Suspensions and Revocations by the Department

**Facility Level**

Submission of application for permit modification or renewal-REGION 8  
HEADQUARTERS

Submission of application for permit modification or renewal-REGION 8  
HEADQUARTERS



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 2-1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305**

**Item 2-1.1:**

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 2-1.2:**

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 2-1.3:**

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 1.2:**

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 1.3:**

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or



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requirements contained in such order or determination.

**Condition 2-2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2-2.1:**

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**Condition 2-3: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6NYCRR 621.11**

**Item 2-3.1:**

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 2-3.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 2-3.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

**Condition 3: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6NYCRR 621.11**

**Item 3.1:**

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 3.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 3.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

**Condition 2-4: Applications for Permit Renewals and Modifications**



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**Applicable State Requirement: 6NYCRR 621.13**

**Item 2-4.1:**

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 2-4.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 2-4.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

**Condition 4: Applications for Permit Renewals and Modifications**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 4.1:**

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 4.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 4.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

**Condition 2-5: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 2-5.1:**

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;



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e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**Condition 5: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 5.1:**

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**Condition 2-6: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 2-6.1:**

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**Condition 6: Permit Modifications, Suspensions and Revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.14**

**Item 6.1:**

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions,

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relevant technology or applicable law or regulations since the issuance of the existing permit;  
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 2-7: Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 2-7.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 8 Headquarters  
Division of Environmental Permits  
6274 Avon-Lima Road  
Avon, NY 14414-9519  
(716) 226-2466

**Condition 7: Submission of application for permit modification or renewal-REGION 8 HEADQUARTERS**  
**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 7.1:**

Submission of applications for permit modification or renewal are to be submitted to:  
NYSDEC Regional Permit Administrator  
Region 8 Headquarters  
Division of Environmental Permits  
6274 Avon-Lima Road  
Avon, NY 14414-9519  
(716) 226-2466



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**ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To: SENECA MEADOWS INC  
1786 SALCMAN RD  
WATERLOO, NY 13165-9444

Facility: SENECA MEADOWS SWMF  
1786 SALCMAN RD  
WATERLOO, NY 13165

Authorized Activity By Standard Industrial Classification Code:  
4953 - REFUSE SYSTEMS

Permit Effective Date:

Permit Expiration Date:



**LIST OF CONDITIONS**

**FEDERALLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 23 6NYCRR 201-6: Emission Unit Definition
- 1-1 6NYCRR 201-6.5(g): Non Applicable requirements
- 24 6NYCRR 201-6.5(g): Non Applicable requirements
- 25 6NYCRR 201-7: Facility Permissible Emissions
- \*1-2 6NYCRR 201-7: Capping Monitoring Condition
- \*1-3 6NYCRR 201-7: Capping Monitoring Condition
- \*1-4 6NYCRR 201-7: Capping Monitoring Condition
- \*26 6NYCRR 201-7: Capping Monitoring Condition
- \*27 6NYCRR 201-7: Capping Monitoring Condition
- \*28 6NYCRR 201-7: Capping Monitoring Condition
- 1-5 6NYCRR 227-2.3(c): Compliance Certification

**Emission Unit Level**

- 79 6NYCRR 201-6: Emission Point Definition By Emission Unit
- 80 6NYCRR 201-6: Process Definition By Emission Unit

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

- 94 ECL 19-0301: Contaminant List

**NOTE: \* preceding the condition number indicates capping.**



**FEDERALLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.**

**Item A: Emergency Defense - 6NYCRR Part 201-1.5**

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

**Item B: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to



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Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6NYCRR Part 201-6.5(a)(5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in



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order to maintain compliance with the conditions of this permit.

**Item H: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**

This permit does not convey any property rights of any sort or any exclusive privilege.

**Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

**Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the

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Act;

iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

**Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)**

This Title V permit shall be reopened and revised under any of the following circumstances:

i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.

ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit

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is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Item L: Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

**Item M: Federally Enforceable Requirements - 40 CFR 70.6(b)**

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**The following conditions are subject to annual compliance certification requirements for Title V permits only.**

**Condition 23: Emission Unit Definition**  
**Effective between the dates of 03/23/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 23.1(From Mod 1):**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-LEACH



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**Emission Unit Description:**

This unit consists of one 501,825 gallon aboveground vertical domed roof leachate storage tank and a proposed 501,825 gallon aboveground, vertical domed roof leachate storage tank.

**Item 23.2(From Mod 1):**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-LFGAS

**Emission Unit Description:**

This unit consists of four landfill areas (the Existing Landfill, the A/B Expansion, Southeast Landfill, and Tantalo) contributing to the generation of landfill gas (LFG) and the apparatus necessary to collect and combust the LFG which also includes leachate recirculation activities. This unit will also include the new proposed Landfill Expansion areas.

**Item 23.3(From Mod 0):**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-SOILS

**Emission Unit Description:**

This unit consists of outdoor temporary storage piles of contaminated beneficial use materials (BUD) soils.

**Condition 1-1: Non Applicable requirements  
Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 201-6.5(g)**

**Item 1-1.1:**

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

(From Mod 1) 6NYCRR 231-2

Reason: The pre-expansion facility (existing landfill) emissions were limited to less than 100 tons per year of oxides of nitrogen. The emissions from the expansion are limited to less than the NSR significant source threshold limits of applicability which are less than 100 tons per year of oxides of nitrogen. Thus, the total facility emissions are limited to less than 200 tons per year of oxides of nitrogen. This cap limits the facility PTE to avoid applicability to NSR.

40CFR 52-A.21

Reason: The pre-expansion facility (existing landfill) emissions



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were limited to less than 100 tons per year of oxides of nitrogen and less than 250 tons per year of carbon monoxide. The emissions from the expansion are limited to less than the PSD/NSR significant source threshold limits of applicability which are less than 100 tons per year of oxides of nitrogen and less than 250 tons per year of carbon monoxide. Thus, the total facility emissions are limited to less than 200 tons per year of oxides of nitrogen and less than 500 tons per year of carbon monoxide. These caps limit the facility PTE to avoid applicability to PSD.

**Condition 24: Non Applicable requirements**  
**Effective between the dates of 03/23/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-6.5(g)**

**Expired by Mod 1**

**Item 24.1:**

This section contains a summary of those requirements that have been specifically identified as being not applicable to this facility and/or emission units, emission points, processes and/or emission sources within this facility. The summary also includes a justification for classifying any such requirements as non-applicable.

6NYCRR 227-2

Reason: The facility permit contains a cap for oxides of nitrogen at less than 100 tons per year. This cap limits the facility PTE to avoid applicability to 6NYCRR Part 227 NOx RACT.

6NYCRR 231-2

Reason: The facility emissions are limited to less than 100 tons per year of oxides of nitrogen. This cap limits the facility PTE to avoid applicability to New Source Review.

40CFR 52-A.21

Reason: The facility emissions are limited to less than 100 tons per year of oxides of nitrogen and less than 250 tons per year of carbon monoxide. These caps limit the facility PTE to avoid applicability to PSD.

**Condition 25: Facility Permissible Emissions**  
**Effective between the dates of 03/23/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 25.1:**



**New York State Department of Environmental Conservation**

**Permit ID: 8-4532-00023/00041**

**Facility DEC ID: 8453200023**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000630-08-0 (From Mod 1) PTE: 999,999 pounds per year  
Name: CARBON MONOXIDE

CAS No: 0NY210-00-0 (From Mod 1) PTE: 399,999 pounds per year  
Name: OXIDES OF NITROGEN

**Condition 1-2: Capping Monitoring Condition**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 1-2.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40CFR 52-A.21

**Item 1-2.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 1-2.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 1-2.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 1-2.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 1-2.6:**

The Compliance Certification activity will be performed for the facility:  
The Compliance Certification applies to:

**New York State Department of Environmental Conservation**

**Permit ID: 8-4532-00023/00041**

**Facility DEC ID: 8453200023**



Emission Unit: 1-LFGAS

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 1-2.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The sum of emissions of carbon monoxide from this facility are limited to less than 500 tons per year calculated on a rolling 12 month total. This cap limits the facility PTE to avoid applicability to PSD. The facility shall keep records of gas burned through the flares and use AP-42 or other confirmed emission factors to calculate the monthly emissions for the flares and other combustion sources. These records will be kept in a format acceptable to the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 500 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 1-3: Capping Monitoring Condition**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 1-3.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2

40CFR 52-A.21



**New York State Department of Environmental Conservation**

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**Facility DEC ID: 8453200023**

**Item 1-3.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 1-3.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 1-3.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 1-3.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 1-3.6:**

The Compliance Certification activity will be performed for the facility:  
The Compliance Certification applies to:

Emission Unit: 1-LFGAS

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 1-3.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The sum of emissions of oxides of nitrogen from this facility are limited to less than 200 tons per year calculated on a rolling 12 month total. This cap limits the facility PTE to avoid applicability to New Source Review. The facility shall keep records of gas burned through the flares and use AP-42 or other confirmed emission factors to calculate the monthly emissions for the flares and other NO<sub>x</sub> sources. These records will be kept in a format acceptable to the Department.



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**Permit ID: 8-4532-00023/00041**

**Facility DEC ID: 8453200023**

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: LANDFILL GAS  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 200 tons per year  
Monitoring Frequency: MONTHLY  
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
Subsequent reports are due every 6 calendar month(s).

**Condition 1-4: Capping Monitoring Condition**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Item 1-4.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2  
40CFR 52-A.21

**Item 1-4.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 1-4.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 1-4.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 1-4.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.



**New York State Department of Environmental Conservation**

**Permit ID: 8-4532-00023/00041**

**Facility DEC ID: 8453200023**

**Item 1-4.6:**

The Compliance Certification activity will be performed for the facility:

The Compliance Certification applies to:

Emission Unit: 1-LFGAS

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 1-4.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

If the facility's rolling twelve month total of NO<sub>x</sub> and/or CO exceeds 75% of the cap limit (200 tons/yr NO<sub>x</sub> and 500 tons/yr CO), the facility is required to do emissions testing of combustion sources in order to determine accurate emission factors for the combustion sources. Within 60 days of exceeding the 75% threshold, the facility must submit a stack test protocol for the flares as per 40 CFR 60 Subpart A and 6NYCRR Part 202. Stack testing will be completed within six months of exceeding the 75% threshold.

Upper Permit Limit: 100 percent

Reference Test Method: EPA Method 7,7E or 19 and 40CFR 60 APP A-10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**Condition 26: Capping Monitoring Condition**

**Effective between the dates of 03/23/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Expired by Mod 1**

**Item 26.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

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**Permit ID: 8-4532-00023/00041**

**Facility DEC ID: 8453200023**



6NYCRR 227-2  
6NYCRR 231-2  
40CFR 52-A.21

**Item 26.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 26.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 26.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 26.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 26.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):  
CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 26.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes  
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS  
Monitoring Description:  
The sum of emissions of oxides of nitrogen from this facility are limited to less than 100 tons per year calculated on a rolling 12 month total. This cap limits the facility PTE to avoid applicability to New Source Review and 6NYCRR Part 227 NO<sub>x</sub> RACT. The facility shall keep records of gas burned through the flares and use AP-42 or other confirmed emission factors to calculate the



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monthly emissions for the flares and other NO<sub>x</sub> sources.  
These records will be kept in a format acceptable to the  
Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL  
Process Material: LANDFILL GAS  
Parameter Monitored: OXIDES OF NITROGEN  
Upper Permit Limit: 100 tons per year  
Monitoring Frequency: MONTHLY  
Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 30 days after the reporting period.  
The initial report is due 7/30/2007.  
Subsequent reports are due every 6 calendar month(s).

**Condition 27: Capping Monitoring Condition**  
**Effective between the dates of 03/23/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Expired by Mod 1**

**Item 27.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

40CFR 52-A.21

**Item 27.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 27.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 27.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.



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**Facility DEC ID: 8453200023**

**Item 27.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 27.6:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

**Item 27.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The sum of emissions of carbon monoxide from this facility are limited to less than 250 tons per year calculated on a rolling 12 month total. This cap limits the facility PTE to avoid future applicability to PSD and establishes a baseline of emissions for future expansion of the landfill. The facility shall keep records of gas burned through the flares and use AP-42 or other confirmed emission factors to calculate the monthly emissions for the flares and other combustion sources. These records will be kept in a format acceptable to the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: LANDFILL GAS

Parameter Monitored: CARBON MONOXIDE

Upper Permit Limit: 250 tons per year

Monitoring Frequency: MONTHLY

Averaging Method: 12 MONTH AVERAGE - ROLLED MONTHLY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

Subsequent reports are due every 6 calendar month(s).

**Condition 28: Capping Monitoring Condition**

**Effective between the dates of 03/23/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-7**

**Expired by Mod 1**



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**Permit ID: 8-4532-00023/00041**

**Facility DEC ID: 8453200023**

**Item 28.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 231-2  
40CFR 52-A.21

**Item 28.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 28.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 28.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 28.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

**Item 28.6:**

The Compliance Certification activity will be performed for the facility:  
The Compliance Certification applies to:

Emission Unit: 1-LFGAS

Regulated Contaminant(s):

CAS No: 000630-08-0 CARBON MONOXIDE

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 28.7:**

Compliance Certification shall include the following monitoring:

Capping: Yes

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

If the facility's rolling twelve month total of NOx



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**Facility DEC ID: 8453200023**

and/or CO exceeds 75% of the cap limit (100 tons/yr NO<sub>x</sub> and 250 tons/yr CO), the facility is required to do emissions testing of combustion sources in order to determine accurate emission factors for the combustion sources. Within 60 days of exceeding the 75% threshold, the facility must submit a stack test protocol for the flares as per 40 CFR 60 Subpart A and 6NYCRR Part 202. Stack testing will be completed within six months of exceeding the 75% threshold.

Upper Permit Limit: 100 percent

Reference Test Method: EPA Method 7,7E or 19 and 40CFR 60 APP A-10

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 7/30/2007.

Subsequent reports are due every 6 calendar month(s).

**Condition 1-5: Compliance Certification**  
**Effective for entire length of Permit**

**Applicable Federal Requirement: 6NYCRR 227-2.3(c)**

**Item 1-5.1:**

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

**Item 1-5.2:**

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility is subject to the NO<sub>x</sub> RACT requirements of 6NYCRR Part 227-2. The facility is required to submit an operating plan as described in 6NYCRR Part 227-2.3(c) to the Department for approval. The facility must operate the flares in accordance with the approved operating plan.

This will ensure that the flares are operating under the same conditions as the most recent approved performance test. The document shall be updated when any changes occur.



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**Facility DEC ID: 8453200023**

The plan must include a provision to maintain daily fuel usage records as well as performing an annual tune-up on each flare in use at the facility.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

Subsequent reports are due every 6 calendar month(s).

**\*\*\*\* Emission Unit Level \*\*\*\***

**Condition 79: Emission Point Definition By Emission Unit**  
**Effective between the dates of 03/23/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 79.1(From Mod 1):**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-LEACH

Emission Point: AST01

Height (ft.): 34 Diameter (in.): 600

Emission Point: AST02

Height (ft.): 34 Diameter (in.): 600

**Item 79.2(From Mod 1):**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-LFGAS

Emission Point: 00LF1

Height (ft.): 38 Diameter (in.): 108

NYTMN (km.): 4754.722 NYTME (km.): 349.23

Emission Point: 00LF2

Height (ft.): 50 Diameter (in.): 138

Emission Point: 00LF3

Height (ft.): 38 Diameter (in.): 108

Emission Point: 00LF4

Height (ft.): 18 Diameter (in.): 43



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Emission Point: 00LF5

Height (ft.): 18

Diameter (in.): 43

**Item 79.3(From Mod 0):**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-SOILS

Emission Point: 00SP1

Height (ft.): 0

Diameter (in.): 600

**Condition 80: Process Definition By Emission Unit**

**Effective between the dates of 03/23/2007 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 201-6**

**Item 80.1(From Mod 1):**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-LEACH

Process: EVP

Source Classification Code: 4-03-010-99

Process Description:

Two 501,825 gallon aboveground storage tanks will be used to store leachate at the facility. The tanks are vented to prevent pressurization. Emissions are from the working and breathing losses from the atmospheric tank vents.

Emission Source/Control: TANK1 - Process

Design Capacity: 501,825 gallons

Emission Source/Control: TANK2 - Process

Design Capacity: 501,825 gallons

**Item 80.2(From Mod 1):**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-LFGAS

Process: FUG

Source Classification Code: 5-02-006-02

Process Description:

Fugitive LFG emissions (beyond the collection efficiency of the gas collection systems) from the four existing landfill areas as well as from the Landfill Expansion areas.

Emission Source/Control: EXSLF - Process

Design Capacity: 3,763.13 million cubic feet per year



**New York State Department of Environmental Conservation**

**Permit ID: 8-4532-00023/00041**

**Facility DEC ID: 8453200023**

Emission Source/Control: LEXP1 - Process  
Design Capacity: 8,236.15 million cubic feet per year

Emission Source/Control: PABLF - Process  
Design Capacity: 1,590.27 million cubic feet per year

Emission Source/Control: PSELF - Process  
Design Capacity: 3,289.92 million cubic feet per year

Emission Source/Control: TANLF - Process  
Design Capacity: 57.26 million cubic feet per year

**Item 80.3(From Mod 1):**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-LFGAS

Process: GAS

Source Classification Code: 5-02-006-01

Process Description:

The four landfill areas and the Landfill Expansion areas will generate landfill gas (LFG). The LFG will be collected and combusted by one 2000-cfm enclosed flare (FLO2K) and one 4000-cfm enclosed flare (FLO4K); (Both flares are currently permitted) and an additional 2,000-cfm enclosed flare (PFL2K) to be added in the future. A portion of the collected LFG will be provided to Seneca Energy, Inc. a separately owned, operated permitted facility. SMI will not combust excess gas that will cause facility emissions to exceed the limits for NO<sub>x</sub> and CO established by this permit. Any additional LFG will be sold for off-site combustion. Control capacity (flares and/or other combustion devices) above what currently exists will be added as required by monitoring the existing LFG collection system. Initial stack test results (per NSPS) will be used to update permit emission estimates as necessary. The flares (FLO4K, FLO2K, PFL2K) and the two enclosed combustors (RCT01 and RCT02, both which are fired by LFG and will be retained for use if needed) are relocated on the west side of State Route 414 in the new industrial park that is also the new location for Seneca Energy.

Landfill gas collected from the Tantalio landfill is not subject to the New Source Performance Standards for Municipal Solid Waste Landfills (40CFR60 Subpart WWW) since it is a remediation project currently under Consent Order with the NYS Department of Environmental



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**Facility DEC ID: 8453200023**

Conservation and and it is a nonproductive area of the landfill that contributes less than 1 percent of the total amount of NMOC emissions from the landfill.

Emission Source/Control: FLO2K - Control  
Control Type: FLARING

Emission Source/Control: FLO4K - Control  
Control Type: FLARING

Emission Source/Control: PFL2K - Control  
Control Type: FLARING

Emission Source/Control: RCT01 - Control  
Control Type: FLARING

Emission Source/Control: RCT02 - Control  
Control Type: FLARING

Emission Source/Control: EXSLF - Process  
Design Capacity: 3,763.13 million cubic feet per year

Emission Source/Control: LEXP1 - Process  
Design Capacity: 8,236.15 million cubic feet per year

Emission Source/Control: PABLF - Process  
Design Capacity: 1,590.27 million cubic feet per year

Emission Source/Control: PSELF - Process  
Design Capacity: 3,289.92 million cubic feet per year

Emission Source/Control: TANLF - Process  
Design Capacity: 57.26 million cubic feet per year

**Item 80.4(From Mod 0):**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-SOILS

Process: FG1

Source Classification Code: 5-03-008-20

Process Description:

Contaminated soils are temporarily stockpiled on site before being used as BUD materials. Emissions include fugitive emissions of VOC components.

Emission Source/Control: PILE1 - Process



**STATE ONLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.**

**Condition 94: Contaminant List**  
**Effective between the dates of 03/23/2007 and Permit Expiration Date**

**Applicable State Requirement: ECL 19-0301**

**Item 94.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this

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**Facility DEC ID: 8453200023**



permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000630-08-0

Name: CARBON MONOXIDE

CAS No: 0NY100-00-0

Name: HAP

CAS No: 000074-82-8

Name: METHANE

CAS No: 0NY998-20-0

Name: NMOC - LANDFILL USE ONLY

CAS No: 0NY210-00-0

Name: OXIDES OF NITROGEN